

03500.017467

PATENT APPLICATION



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	
	:	Examiner: Unassigned
TAKANORI MATSUDA ET AL.	)	
	:	Group Art Unit: Unassigned
Application No.: 10/632,913	)	
	:	
Filed: August 4, 2003	)	
	:	
For: ACTUATOR AND LIQUID DISCHARGE )		
HEAD, AND METHOD FOR	:	
MANUFACTURING LIQUID	)	
DISCHARGE HEAD	:	October 30, 2003

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed on the enclosed Form PTO-1449. A copy of each of the listed documents is enclosed.

The Examiner's attention is also directed to the following U.S. Applications, a copy of each of which is enclosed:

<u>Application Number</u>	<u>Inventor(s)</u>	<u>Filing Date</u>	<u>Group Art Unit</u>	<u>Status</u>
10/412,395	Tetsuro Fukui Takanori Matsuda Toshihiro Ifuku Akio Ikesue	April 14, 2003	1733	Pending
10/414,473	Takanori Matsuda	April 16, 2003	Unassigned	Pending

For the concise explanation of relevance for the foreign language documents, the Examiner is referred to page 6 of the specification, where those documents are discussed, to the English-language abstracts enclosed herewith, and to U.S. Patent No. 5,431,958, which is a U.S. counterpart to Japanese Patent Application Laid-Open No. 6-280023.

#### FORMAL MATTERS

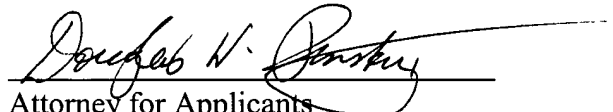
In accordance with 37 C.F.R. § 1.97(b), since this Information Disclosure Statement is being filed within three months of the filing date of the subject application, neither a statement under 37 C.F.R. § 1.97(e) nor payment of a fee is required for consideration of this Information Disclosure Statement.

CONCLUSION

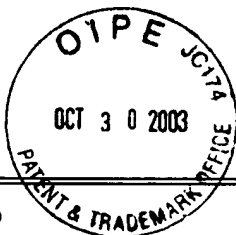
It is respectfully requested that the above information be considered by the Examiner and that an initialed copy of the enclosed Form PTO-1449 be returned indicating that such information has been considered.

Applicants' undersigned attorney may be reached in our Washington, D.C. office by telephone at (202) 530-1010. All correspondence should continue to be directed to our below-listed address.

Respectfully submitted,

  
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DWP/tmc



FORM PTO 1449 (modified)			ATTY DOCKET NO. <b>03500.017467</b>		APPLICATION NO. <b>10/632,913</b>	
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE			APPLICANT <b>TAKANORI MATSUDA ET AL.</b>			
			FILING DATE <b>August 4, 2003</b>		GROUP <b>Unassigned</b>	
LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)  October 30, 2003						
U.S. PATENT DOCUMENTS						
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	FILING DATE IF APPROPRIATE
		<b>5,431,958</b>	<b>07/1995</b>	<b>Desu et al.</b>		
		<b>6,113,225</b>	<b>09/2000</b>	<b>Miyata et al.</b>		
		<b>6,315,400 B1</b>	<b>11/2001</b>	<b>Sakai et al.</b>		
		<b>2002/0076875 A1</b>	<b>06/2002</b>	<b>Wasa et al.</b>		
		<b>2002/0140320 A1</b>	<b>10/2002</b>	<b>Unno et al.</b>		
FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	TRANSLATION YES/NO/ OR ABSTRACT
		<b>JP 11-348285</b>	<b>12/1999</b>	<b>Japan</b>		<b>Abstract</b>
		<b>JP 6-280023</b>	<b>10/1994</b>	<b>Japan</b>		<b>Abstract*</b>
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)						
<b>*Note: U.S. counterpart Patent No. 5,431,958 is submitted herewith.</b>						
EXAMINER				DATE CONSIDERED		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicants.

DWP/tmc

Sheet 1 of 1